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50 PER CENT. VEGETABLE MATTER. KLAMATH'S GREATEST BARGAINS AT \$25 PER ACRE AND UPWARDS. EASY TERMS

THE EVENING HERALD

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KLAMATH FALLS, WEDNESDAY, SEPTEMBER 9, 1908.

USE OF ACETYLENE GROWS.

May Revolutionize Lighting and Metal Working.

From a book notice of a bulletin on Calcium Carbide and Acetylene, issued by the Department of Chemistry of the Pennsylvania State College.

The use of acetylene commercially is an evolution covering ten or twelve years. The rapid strides which the new illuminant has made, especially in country homes, is making it a formidable competitor for favor wherever illumination is required.

The spectral analysis of the light shows it to be a practical duplication of sunlight, so that colors have their true value when illuminated by this brilliant gas. Recently the use of acetylene for the headlights of automobiles, its adoption by the government for beacon lights, lighthouses, forts and Indian schools, has given acetylene new impetus.

Professor Pond has shown that the dweller in the country home can secure this excellent illuminant at a cost which compares to the advantage of acetylene, with city gas when burned in the open flame burner costing a dollar per thousand cubic feet.

The board of engineers of the National Board of Fire Underwriters have, after a year's examination of the subject, declared that acetylene, when installed with approved apparatus, is safer than the illuminants which it replaces, and the National Board of Fire Underwriters has revised its rules in such a manner as to encourage its more rapid introduction. Calcium carbide, which has in some quarters been regarded as a dangerous substance, has been investigated and declared to be without hazard by the fire underwriters. These facts will come in the nature of a great surprise to many who have regarded acetylene as dangerous. In dealing with this phase of the subject, Professor Pond has given thorough information as to the safe use of acetylene and the precautions which must be taken with this substance, the same as with any other illuminant.

An interesting phase of the subject is the remarkable use of what is known as the oxy-acetylene blowpipe. By burning acetylene in an atmosphere of pure oxygen, the highest temperature in chemistry is evolved, practically equalling the electric arc. A pencil of flame two or three inches long, and no larger than the barrel of a fountain pen, can be drawn across a piece of sheet metal and literally melts the metal in two. The process can be reversed and sheet metal, iron, brass, copper, aluminum, and in fact any of the ordinary metals can be literally melted together and, curiously, the joint is so perfectly formed that a file will not disclose the point of fracture. Bridge girders have been cut with great rapidity, and it is stated that this simple pencil of flame promises a revolution in the methods of metal-working establishments.

Another curious phase of the subject is the fact that calcium carbide at certain temperatures has the power of fixing the nitrogen of the air and in this way will produce a fertilizer called cyanamide, which is found equal to the Chilean nitrates. Few people realize that \$15,000,000 worth of Chilean nitrates have been imported into this country and used by the farmers here during the past year.

Calcium carbide is a rock-like substance produced by melting together lime and coke in the electric furnace. It is not affected by any substance except water, and when brought in contact with water it gives off rapidly the gas known as acetylene.

The bulletin on calcium carbide and acetylene can be had free by application, accompanied by six cents postage, to the Department of Chemistry, of the Pennsylvania State College, Pa.

Joel F. Baker, of Wabash, Ind., Saturday killed Mrs. Sylvia Horne, a pretty young widow, to prevent her marrying a rival suitor. Then plac-

ing the body in a buggy and holding it in his arms he drove 12 miles to the city. Just before reaching town Baker shot and killed himself. His body remained in an upright position beside that of the woman he had killed several hours before. The horse—hired from a local livery barn—made its way unguided to the stable. The hostler hearing a noise outside, investigated and found the buggy with the two corpses in front of the door.

THE MAN WHO IS ALWAYS "JUST GOING TO."

He meant to insure his house, but it burned before he got around to it. He was just going to pay a note when it went to protest.

He was just going to help a neighbor when he died.

He was just going to send some flowers to a sick friend when it proved too late.

He was just going to reduce his debt when his creditors "shut down" on him.

He was just going to stop drinking and dissipating, when his health became wrecked.

He was just going to provide proper protection for his wife and family when his fortune was swept away from him.

He was just going to introduce a better system into his business when it went to smash.

He was just going to call on a customer to close a deal when he found his competitor had preceded him and secured the order.

He was just going to quit work awhile and take a vacation when nervous prostration came.

He was just going to repair his sidewalk when a neighbor fell on it and broke a leg.

He was just going to provide his wife with more help when she took to her bed and required a nurse, a doctor and a maid.

Mrs. Eunice Roberts, mother of John J. Roberts, a prominent hop-dealer of Salem, Oregon, wandered away from home Sunday and was not found until the next evening, when she was discovered seeking shelter in a strawstack eight miles east of Salem. She was 70 years old, and is suffering the infirmities of old age. Her disappearance caused great excitement to a large circle of friends in Salem, and vigorous search was conducted before she was found.

Samuel Gompers, president of the American Federation of Labor, will invade the Ninth Congressional District of Illinois this week for the avowed purpose of bringing about the defeat of Joseph G. Cannon, Speaker of the National House of Representatives, who is making his nineteenth campaign for a seat in the House of Congress from the territory indicated.

John Bohanan, a rancher near Fresno, Calif., shot and killed himself Sunday, after fatally shooting his wife and seriously injuring his 17-year-old son, Herbert. A dispute as to the quantity of grapes the ranch would produce led to the awful tragedy.

KODAK?

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NOTICE FOR PUBLICATION.

Not Coal Land.

Department of the Interior, U. S. Land Office at Lakeview, Oregon, August 6, 1908.

Notice is hereby given that Gertrude L. Helleman, of Klamath Falls, Oregon, who, on May 25, 1908, made Timber and Stone Application, No. 4188, (Serial No. 0283), for $\frac{1}{2}$ sec. 4, Section 17, T. 38 S., R. 10 E., W. M. has filed notice of intention to make final proof, to establish claim to the land above described, before County Clerk, Klamath Co., at his office, at Klamath Falls, Oregon, on the 12th day of October, 1908.

Claimant names as witnesses: Augusta J. Hayden, W. W. Mendenhall, Wm. Helleman, H. E. Hayden, all of Klamath Falls, Oregon.

J. N. WATSON, Register.

NOTICE FOR PUBLICATION.

U. S. Land Office, Lakeview, Oregon, July 15, 1908.

Notice is hereby given that the State of Oregon has filed in this office its applications under the provisions of the act of Congress of August 14, 1848, and the acts supplemental and amendatory thereto, for the following described lands, to-wit:

List No. 085, for $\frac{1}{2}$ sec. 4, Sec. 4 and $\frac{1}{2}$ sec. 4, Sec. 9, T. 33 S., R. 21 E., W. M.

List No. 086, for $\frac{1}{2}$ sec. 4, Sec. 3, T. 34 S., R. 14 E., W. M.

Any and all persons claiming adversely the lands described, or desiring to object because of the mineral character of the land, or for any other reasons, to the disposal to applicant, should file their affidavits of protest in this office, on or before the 10 day of September, 1908.

J. N. WATSON, Register.

NOTICE FOR PUBLICATION.

(Not Coal Land.)

Department of the Interior, U. S. Land Office at Lakeview, Oregon, August 19, 1908.

Notice is hereby given that Dunn W. Bursell, of Merrill, Oregon, who, on Dec. 16, 1904, made Homestead Entry, No. 3326 (Serial No. 0383), for $\frac{1}{2}$ sec. 13, T. 27 S., R. 10 E., W. M., has filed notice of intention to make final Commutation Proof, to establish claim to the land above described, before Register and Receiver, at Lakeview, Oregon, on the 5th day of October, 1908.

Claimant names as witnesses: Mark Howard, of Merrill, Oregon, Frank Johnston, of Klamath Falls, Oregon, Roy Whitney, of Klamath Falls, Oregon, Chas. Wagar, of Klamath Falls, Oregon.

J. N. WATSON, Receiver.

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